

**Yee &
Associates, P.C.**

4100 Alpha Road
Suite 1100
Dallas, Texas 75244

**RECEIVED
CENTRAL FAX CENTER**

DEC 03 2004 Main No. (972) 385-8777
Facsimile (972) 385-7766

Facsimile Cover Sheet

To: Commissioner for Patents for Examiner Jeffrey R. Swearingen Group Art Unit 2143	Facsimile No.: 703/872-9306
From: Amelia Turner Legal Assistant to Lisa L.B. Yociss	No. of Pages Including Cover Sheet: 13
Message: Transmitted herewith: <ul style="list-style-type: none">• Transmittal Document; and• Response to Office Action.	
Re: Application No. 09/895,233 Attorney Docket No: AUS920010492US1	
Date: Friday, December 03, 2004	
Please contact us at (972) 385-8777 if you do not receive all pages indicated above or experience any difficulty in receiving this facsimile.	<i>This Facsimile is intended only for the use of the addressee and, if the addressee is a client or their agent, contains privileged and confidential information. If you are not the intended recipient of this facsimile, you have received this facsimile inadvertently and in error. Any review, dissemination, distribution, or copying is strictly prohibited. If you received this facsimile in error, please notify us by telephone and return the facsimile to us immediately.</i>

**PLEASE CONFIRM RECEIPT OF THIS TRANSMISSION BY
FAXING A CONFIRMATION TO 972-385-7766.**

*Template
Missing pages
8-13*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
CENTRAL FAX CENTER
DEC 03 2004

In re application of: Craddock et al.

Serial No.: 09/895,233

Filed: June 29, 2001

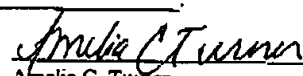
For: End Node Partitioning Using
Local Identifiers§
§
§
§
§
§

Group Art Unit: 2143

Examiner: Swearingen, Jeffrey R.

Attorney Docket No.: AUS920010492US1

35525
PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

Certificate of Transmission Under 37 C.F.R. § 1.8(a)	
I hereby certify this correspondence is being transmitted via facsimile to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, facsimile number (703) 872-9306, on 12.03.04	
By:	 Anelia C. Turner

TRANSMITTAL DOCUMENTCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

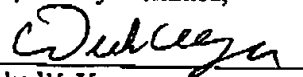
Sir:

TRANSMITTED HEREWITH:

- Response to Office Action.

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to IBM Corporation Deposit Account No. 09-0447. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to IBM Corporation Deposit Account No. 09-0447.

Respectfully submitted,



Duke W. Yee

Registration No. 34,285

YEE & ASSOCIATES, P.C.

P.O. Box 802333

Dallas, Texas 75380

(972) 385-8777

ATTORNEY FOR APPLICANTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Craddock et al.**

Serial No.: **09/895,233**

Filed: **June 29, 2001**

For: **End Node Partitioning Using
Local Identifiers**

§
§
§
§
§
§
§
§
§
§

Group Art Unit: **2143**

Examiner: **Swearingen, Jeffrey R.**

Attorney Docket No.: **AUS920010492US1**

RECEIVED
CENTRAL FAX CENTER
DEC 03 2004

Certificate of Transmission Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being transmitted via
facsimile to the Commissioner for Patents, P.O. Box 1450,
Alexandria, VA 22313-1450, facsimile number (703) 872-
9306, on 12.03.04

By:

Amelia C. Turner
Amelia C. Turner

RESPONSE TO OFFICE ACTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to IBM Corporation Deposit Account No. 09-0447. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to IBM Corporation Deposit Account No. 09-0447.

In response to the Office Action dated September 3, 2004, please amend the above-identified application as follows:

AMENDMENTS TO THE CLAIMS

1. (Currently amended): A method for end node partitioning for a physical element, comprising the steps of:

selecting a configuration of the physical element, said physical element including a plurality of ports;

probing ~~[[a port]]~~ one of said plurality of ports that is included within said physical element, wherein the port is probed with a subnet management packet by a subnet manager;

in response to determining that said physical element is a particular type of physical element, partitioning said physical element to provide a plurality of virtual representations of said physical element, each one of said plurality of virtual representations having a unique access control level; and

partitioning said physical element by in response to detecting a switch associated with the port, assigning a different local identifier to the port each one of said plurality of ports that is included within said physical element resulting in a configuration change of the physical element.

2. (Original): The method as recited in claim 1, wherein selecting the configuration of the physical element includes a static selection of the physical element and a dynamic selection of the physical element.

3. (Original): The method as recited in claim 2, further comprising:
in response to a static selection of the physical element, modifying the configuration of the physical element through at least one of a fabric initialization and a reboot of a node associated with the port.

4. (Original): The method as recited in claim 2, further comprising:
in response to a dynamic selection of the physical element, modifying the configuration of the physical element through a reboot of a node associated with the port.

5. (Currently amended): The method as recited in claim 1, further comprising:
said physical element being one of a switch, a target channel adapter, and a host channel adapter.
~~in response to determining an additional port associated with the switch, assigning a local identifier to the additional port.~~
6. (Original): The method as recited in claim 1, further comprising:
in response to a host channel adapter and a host node becoming operational,
reporting the host channel adapters and host processor node as they become operational.
7. (Original): The method as recited in claim 1, further comprising:
in response to removing a host channel adapter and a host node from operation,
reporting the removal of the host channel adapter and the host node from operation.
8. (Original): The method as recited in claim 1, further comprising:
connecting one or more operating system images to at least one host channel adapter.
9. (Original): The method as recited in claim 8, wherein the host channel adapter is a virtual host channel adapter.
- 10-12. (Canceled)
13. (Currently amended): A system for end node partitioning for a physical element, comprising:
a selection component for selecting a configuration of the physical element, said physical element including a plurality of ports;
a probing component for probing one of said plurality of ports that is included within said physical element [[a port]], wherein the port is probed with a subnet management packet by a subnet manager;

in response to determining that said physical element is a particular type of physical element, partitioning means for partitioning said physical element to provide a plurality of virtual representations of said physical element, each one of said plurality of virtual representations having a unique access control level; and

an assignment component for partitioning said physical element by, ~~in response to detecting a switch associated with the port, for assigning a different~~ local identifier to ~~the port~~ each one of said plurality of ports that is included within said physical element resulting in a configuration change of the physical element.

14. (Original): The system as recited in claim 13, wherein selecting the configuration of the physical element includes a static selection of the physical element and a dynamic selection of the physical element.

15. (Original): The system as recited in claim 14, further comprising:
a modification component, in response to a static selection of the physical element, for modifying the configuration of the physical element through at least one of a fabric initialization and a reboot of a node associated with the port.

16. (Canceled)

17. (Currently amended): The system as recited in claim 13, further comprising:
said physical element being one of a switch, a target channel adapter, and a host channel adapter,

~~the assignment component, in response to determining an additional port associated with the switch, assigns a local identifier to the additional port.~~

18. (Original): The system as recited in claim 13, further comprising:
a reporting component, in response to a host channel adapter and a host node becoming operational, for reporting the host channel adapter and host processor node as they become operational.

19. (Original): The system as recited in claim 13, further comprising:
a reporting component, in response to removing a host channel adapter and a host node from operation, reporting the removal of the host channel adapter and the host node from operation.
20. (Original): The system as recited in claim 13, further comprising:
a connection component for connecting one or more operating system images to at least one host channel adapter.
21. (Original): The system as recited in claim 20, wherein the host channel adapter is a virtual host channel adapter.
22. (Currently amended): A computer program product in a computer readable medium for end node partitioning for a physical element, comprising:
instructions for selecting a configuration of the physical element, said physical element including a plurality of ports;
instructions for probing one of said plurality of ports that is included within said physical element [[a port]], wherein the port is probed with a subnet management packet by a subnet manager;
in response to determining that said physical element is a particular type of physical element, instructions for partitioning said physical element to provide a plurality of virtual representations of said physical element, each one of said plurality of virtual representations having a unique access control level; and
instructions for partitioning said physical element by ~~in response to detecting a switch associated with the port, for assigning a different local identifier to the port~~ each one of said plurality of ports that is included within said physical element resulting in a configuration change of the physical element.
23. (Original): The computer program product as recited in claim 22, wherein selecting the configuration of the physical element includes a static selection of the physical element and a dynamic selection of the physical element.